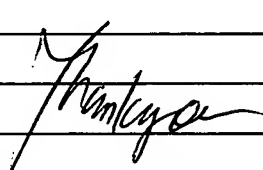


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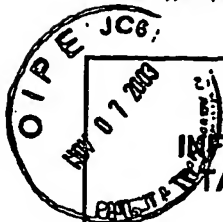
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Application No. <u>10/040,948</u>	Prepared by <u>NPB</u>	Tracking Number <u>05881120</u>	
Examiner-GAU <u>Whitmore-2812</u>	Date <u>8/11/04</u>	Week Date <u>12/29/03</u>	
	No. of queries <u>4</u>	<u>1FW</u>	

JACKET			
a. Serial No.	f. Foreign Priority	k. Print Claim(s)	p. PTO-1449
b. Applicant(s)	g. Disclaimer	l. Print Fig.	q. PTOL-85b
c. Continuing Data	h. Microfiche Appendix	m. Searched Column	r. Abstract
d. PCT	i. Title	n. PTO-270/328	s. Sheets/Figs
e. Domestic Priority	j. Claims Allowed	o. PTO-892	t. Other

SPECIFICATION	MESSAGE
a. <u>Page Missing</u>	① PTO-1449: (7 pages) please either initial or line through citations (copy provided for reference)
b. Text Continuity	
c. Holes through Data	
d. Other Missing Text	② Claim 8 (original claim 41) is missing in claim PTO - claim sets.
e. Illegible Text	
f. Duplicate Text	③ Original claim pages are missing.
g. Brief Description	④ No specification/text pages found in file folder. please supply.
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i. Appendix	
j. Amendments	
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CLAIMS	
a. <u>Claim(s) Missing</u>	
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Substitute for form 1449A/PTO				Application Number	10/040,948
INFORMATION DISCLOSURE STATEMENT BY APPLICANT (use as many sheets as necessary)				Filing Date	1/5/02
				First Named Inventor	Steven T. Ig
				Group Art Unit	2812
				Examiner Name	Stacy A. Whitmore
Sheet	1	of	6	Attorney Docket Number	SPLX.P0025

U.S. PATENT DOCUMENTS					
Examiner Initials	Cite No. ¹	U.S. Patent Document Number Kind Code ² (if known)	Date of Publication MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
	1.	2001/0009 031	A1	07-19-2001	Nitta et al.
	2.	4,593,363		06-03-1986	Burstein et al.
	3.	5,267,176		11-30-1993	Antreich et al.
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	20.	6,295,634	B1	09-25-2001	Matsumoto
	21.	6,307,258		10-23-2001	Chiang et al.

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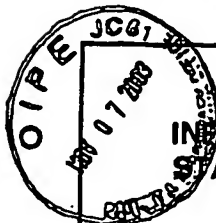
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INFORMATION DISCLOSURE STATEMENT BY APPLICANT (use as many sheets as necessary)				Filing Date	1/5/02
				First Named Inventor	Steven Telg
				Group Art Unit	2812
				Examiner Name	Stacy A. Whitmore
Sheet	2	of	6	Attorney Docket Number	SPLX.P0025

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	22.	6,316,838	B1	11-13-2001	Ozawa et al.	
	23.	6,324,674	B2	11-27-2001	Andreev et al.	
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FOREIGN PATENT DOCUMENTS								
Examiner Initials	Cite No. ¹	Foreign Patent Document			Name of Patentee or Applicant of Cited Document	Date of Publication MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ²
		Office ³	Number ⁴	Kind Code (if known)				
	37.	JP	411296560	A	Matsumoto et al.	10-29-1999	with English translation of Abstract;	
	38.	JP	2000-82743	A	Igarashi et al.	03-21-2000	with Japanese Patent Office's English translation of Abstract; and with English	√

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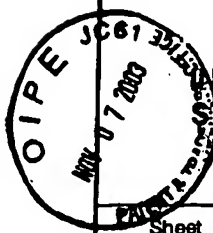
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INFORMATION DISCLOSURE STATEMENT BY APPLICANT (use as many sheets as necessary)				Filing Dat	1/5/02
				First Named Inv nt r	Steven Telg
				Group Art Unit	2812
				Examiner Name	Stacy A. Whitmore
Sheet	3	of	6	Attorney Docket Number	SPLX.P0025

FOREIGN PATENT DOCUMENTS							
						translation of the application.	
39.	JP	H03-173471	A	Tawada et al.	07-26-1991	with Japanese Patent Office's English translation of Abstract; and with English translation of the application.	✓
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41.	JP	H05-102305	A	Akihiro Sato	04-23-1993	with Japanese Patent Office's English translation of Abstract; and with English translation of the application.	✓
42.	JP	H07-86407	A	Shinpei Miura	03-31-1995	with Japanese Patent Office's English translation of Abstract; and with English translation of the application.	✓
43.	JP	H09-162279	A	Masaaki Yoshida	06-20-1997	with Japanese Patent Office's English translation of Abstract; and with English translation of the application.	✓

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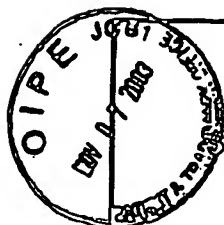
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**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

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Application Number	10/040,948
Filing Date	1/5/02
First Named Inventor	Steven T Ig
Group Art Unit	2812
Examiner Name	Stacy A. Whitmore
Attorney Docket Number	SPLX.P0025
Sheet	4 of 6

FOREIGN PATENT DOCUMENTS

NON PATENT LITERATURE DOCUMENTS

Examiner Initials	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
	44.	Ahuja, R. et al., Faster Algorithms for the Shortest Path Problem, Journal of the Association for Computing Machinery, vol. 37, No. 2, April 1990, pp. 213-223.	
	45.	Brady, L. et al., Channel Routing on a 60° Grid, extended abstract, pp. 956-931.	
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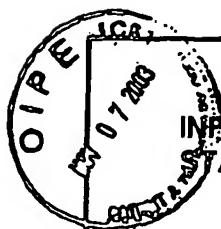
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Substitute for form 1449A/PTO				Application Number	10/040,948
INFORMATION DISCLOSURE STATEMENT BY APPLICANT (use as many sheets as necessary)				Filing Date	1/5/02
				First Named Inventor	Steven Teig
				Group Art Unit	2812
				Examiner Name	Stacy A. Whitmore
Sheet	5	of	6	Attorney Docket Number	SPLX.P0025

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68.	Takashima, Y. et al, Routability of FPGAs with Extremal Switch-Block Structures, IEICE Trans. Fundamentals, vol. E81-A, No. 5, May 1998, pp. 850-856.	
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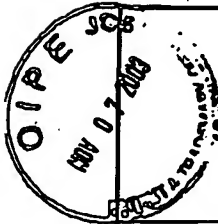
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				First Named Inventor	Stev n Teig
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				Examiner Name	Stacy A. Whitmore
Sheet	6	of	6	Attorney Docket Number	SPLX.P0025

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77.	Zhou, H. et al., Optimal River Routing with Crosstalk Constraints, ACM Transactions on Design Automation of Electronic Systems, vol. 3, No. 3, July 1998, pp. 496-514.		

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INFORMATION DISCLOSURE STATEMENT BY APPLICANT (use as many sheets as necessary)				Filing Date	1/5/02
				First Named Invent r	St v n T ig
				Group Art Unit	2812
				Examiner Name	Stacy A. Whitmore
Sheet	1	of	1	Attorney Docket Number	SPLX.P0025

U.S. PATENT DOCUMENTS						
Examiner* Initials	Cite No. ¹	U.S. Patent Document		Date of Publication MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number	Kind Code* (if known)			
	1.	2002/0182 844	A1	12-05-2002	Igarashi et al.	
	2.	2003/0053 399	A1	01-02-2003	Igarashi et al.	
	3.	5,663,891		09-02-1997	Bamji et al.	
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	9.	6,543,043	B1	04-01-2003	Wang et al.	

NON PATENT LITERATURE DOCUMENTS						
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	10.	Hu, J. et al., A Timing-Constrained Algorithm for Simultaneous Global Routing of Multiple Nets, IEEE/ACM International Conference on Computer Aided Design. ICCAD – 2000. IEEE/ACM Digest of Technical Papers (CAT. NO.00CH37140), Proceedings of International Conference on Computer Aided Design (ICCAD), San Jose, CA, USA, 5-9 Nov. 2000, pp.99-103.				
	11.	Kastner, R. et al, Predictable Routing, IEEE/ACM International Conference on Computer Aided Design. ICCAD – 2000. IEEE/ACM Digest of Technical Papers (CAT. NO.00CH37140), Proceedings of International Conference on Computer Aided Design (ICCAD), San Jose, CA, USA, 5-9 Nov. 2000. pp. 110-113.				

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